

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"20050020710"	DERWENT	ADJ	ON	2007/06/14 08:36
L2	1	2003-597901.NRAN.	DERWENT	ADJ	ON	2007/06/14 09:12
L3	1	hybrid onium	DERWENT	ADJ	ON	2007/06/14 09:12
L4	4	hybrid onium	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/14 12:04
L5	2	"7005234"	US-PGPUB; USPAT	ADJ	ON	2007/06/14 14:27
L6	30	("20020160295" "20030008239" "20030073032" "20030082478" "3725356" "3839171" "4019972" "4476215" "4499163" "4510227" "4772538" "4950581" "4952478" "5080999" "5200292" "5246816" "5340699" "5641608" "5705322" "5919601" "5952154" "5965319" "6013412" "6030750" "6309792" "6399689" "6423462" "6482571" "6566035" "6576401").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/14 14:30
L7	2	"20020177074"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/14 14:30
L8	1	"20060251987"	US-PGPUB; USPAT	ADJ	ON	2007/06/14 16:04
S1	1400	infrared absorber	US-PGPUB; USPAT	ADJ	ON	2007/06/13 11:45
S2	187651	organic boron or boron	US-PGPUB; USPAT	ADJ	ON	2007/06/11 12:38
S3	13918	onium salt or onium	US-PGPUB; USPAT	ADJ	ON	2007/06/11 12:38
S4	248605	unsaturated	US-PGPUB; USPAT	ADJ	ON	2007/06/11 12:39
S5	72	S1 and S2 and S3 and S4	US-PGPUB; USPAT	ADJ	ON	2007/06/11 12:39
S6	5990	alkali-soluble	US-PGPUB; USPAT	ADJ	ON	2007/06/11 12:39
S7	32	S5 and S6	US-PGPUB; USPAT	ADJ	ON	2007/06/11 13:17
S8	6586	negative near resist	US-PGPUB; USPAT	ADJ	ON	2007/06/11 12:41

EAST Search History

S9	0	S8 and S7	US-PGPUB; USPAT	ADJ	ON	2007/06/11 12:41
S10	34730	polymerization initiator	US-PGPUB; USPAT	ADJ	ON	2007/06/11 13:17
S11	23	S7 and S10	US-PGPUB; USPAT	ADJ	ON	2007/06/11 15:00
S12	21	S2 near S10	US-PGPUB; USPAT	ADJ	ON	2007/06/11 13:27
S13	0	S11 and S12	US-PGPUB; USPAT	ADJ	ON	2007/06/11 13:56
S14	2299	infrared absorber	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/11 13:57
S15	1727	organic boron	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/11 13:57
S16	11393	onium salt	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/11 13:57
S17	439765	unsaturated	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/11 13:57
S18	13199	alkali-soluble	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/11 13:58
S19	19	S14 and S15 and S16 and S17 and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/11 14:28
S20	13	polyvalent onium	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/11 14:31
S21	12	polyvalent onium	US-PGPUB; USPAT	ADJ	ON	2007/06/13 08:25
S22	12	polyvalent onium	US-PGPUB; USPAT	ADJ	OFF	2007/06/13 07:43
S23	0	polyvalent onium salt	US-PGPUB; USPAT	ADJ	OFF	2007/06/11 14:32
S24	12	polyvalent onium	US-PGPUB; USPAT	ADJ	OFF	2007/06/11 14:32

EAST Search History

S25	12	polyvalent onium	US-PGPUB; USPAT	ADJ	ON	2007/06/11 14:42
S26	31017	polyvalent	US-PGPUB; USPAT	ADJ	ON	2007/06/11 15:01
S27	13	S7 and S26	US-PGPUB; USPAT	ADJ	ON	2007/06/11 15:01
S28	5	divalent onium	US-PGPUB; USPAT	ADJ	OFF	2007/06/13 07:43
S29	13	polyvalent onium	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/13 11:36
S30	0	bivalent onium	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/13 11:36
S31	5	divalent onium	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/13 11:36
S32	6	valent onium	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/13 11:38
S33	0	poly valent onium	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/13 11:38
S34	0	more valent onium	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/13 11:38
S35	64	S+ and I+	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/13 11:43
S36	479786	resist	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/13 11:43
S37	4	S35 and S36	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/13 11:43
S38	1401	infrared absorber	US-PGPUB; USPAT	ADJ	ON	2007/06/13 11:45
S39	46	S38 and organic boron	US-PGPUB; USPAT	ADJ	ON	2007/06/13 11:45

EAST Search History

S40	8626	onium salt	US-PGPUB; USPAT	ADJ	ON	2007/06/13 11:45
S41	43	S39 and S40	US-PGPUB; USPAT	ADJ	ON	2007/06/13 11:47
S42	34756	polymerization initiator	US-PGPUB; USPAT	ADJ	ON	2007/06/13 12:08
S43	35	S41 and S42	US-PGPUB; USPAT	ADJ	ON	2007/06/13 11:49
S44	31036	polyvalent	US-PGPUB; USPAT	ADJ	ON	2007/06/13 12:07
S45	20	S43 and S44	US-PGPUB; USPAT	ADJ	ON	2007/06/13 11:50
S46	1133	organic boron	US-PGPUB; USPAT	ADJ	ON	2007/06/13 11:50
S47	5	S42 near S46	US-PGPUB; USPAT	ADJ	ON	2007/06/13 11:50
S48	0	polyhydric onium	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/13 12:05
S49	86031	polyhydric	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/13 12:05
S50	18698	onium	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/13 12:05
S51	2792	S49 and S50	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/13 12:06
S52	171	S51 and S46	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/13 12:06
S53	36	S52 and S38	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2007/06/13 12:06
S54	12	polyvalent onium	US-PGPUB; USPAT	ADJ	ON	2007/06/13 12:07
S55	95	S42 near onium	US-PGPUB; USPAT	ADJ	ON	2007/06/13 12:08
S56	362	ammonium near boron	US-PGPUB; USPAT	ADJ	ON	2007/06/13 14:29

EAST Search History

S57	3	S56 and S40	US-PGPUB; USPAT	ADJ	ON	2007/06/13 14:30
S58	0	organic boron same infrared absorber same onium same unsaturated	US-PGPUB; USPAT	ADJ	ON	2007/06/13 15:19
S59	43	organic boron and infrared absorber and onium and unsaturated	US-PGPUB; USPAT	ADJ	ON	2007/06/13 15:22
S60	6593	negative near resist	US-PGPUB; USPAT	ADJ	ON	2007/06/13 15:19
S61	0	S59 and S60	US-PGPUB; USPAT	ADJ	ON	2007/06/13 15:19
S62	5949	negative resist	US-PGPUB; USPAT	ADJ	ON	2007/06/13 15:20
S63	26	S59 and "43"	US-PGPUB; USPAT	ADJ	ON	2007/06/13 15:20
S64	0	S59 and S62	US-PGPUB; USPAT	ADJ	ON	2007/06/13 15:20
S65	0	organic boron neaar initiator	US-PGPUB; USPAT	ADJ	ON	2007/06/13 15:22
S66	11	organic boron near initiator	US-PGPUB; USPAT	ADJ	ON	2007/06/13 15:23

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NEWS 5 JAN 16 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS 6 JAN 22 CA/CAPplus updated with revised CAS roles
NEWS 7 JAN 22 CA/CAPplus enhanced with patent applications from India
NEWS 8 JAN 29 PHAR reloaded with new search and display fields
NEWS 9 JAN 29 CAS Registry Number crossover limit increased to 300,000 in
multiple databases
NEWS 10 FEB 15 PATDPASPC enhanced with Drug Approval numbers
NEWS 11 FEB 15 RUSSIAPAT enhanced with pre-1994 records
NEWS 12 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality
NEWS 13 FEB 26 MEDLINE reloaded with enhancements
NEWS 14 FEB 26 EMBASE enhanced with Clinical Trial Number field
NEWS 15 FEB 26 TOXCENTER enhanced with reloaded MEDLINE
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to 300,000 in multiple databases
NEWS 18 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS 19 MAR 16 CASREACT coverage extended
NEWS 20 MAR 20 MARPAT now updated daily
NEWS 21 MAR 22 LWPI reloaded
NEWS 22 MAR 30 RDISCLOSURE reloaded with enhancements
NEWS 23 APR 02 JICST-EPLUS removed from database clusters and STN
NEWS 24 APR 30 GENBANK reloaded and enhanced with Genome Project ID field
NEWS 25 APR 30 CHEMCATS enhanced with 1.2 million new records
NEWS 26 APR 30 CA/CAPplus enhanced with 1870-1889 U.S. patent records
NEWS 27 APR 30 INPADOC replaced by INPADOCDB on STN
NEWS 28 MAY 01 New CAS web site launched
NEWS 29 MAY 08 CA/CAPplus Indian patent publication number format defined
NEWS 30 MAY 14 RDISCLOSURE on STN Easy enhanced with new search and display
fields
NEWS 31 MAY 21 BIOSIS reloaded and enhanced with archival data
NEWS 32 MAY 21 TOXCENTER enhanced with BIOSIS reload
NEWS 33 MAY 21 CA/CAPplus enhanced with additional kind codes for German
patents
NEWS 34 MAY 22 CA/CAPplus enhanced with IPC reclassification in Japanese
patents

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MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

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FULL ESTIMATED COST

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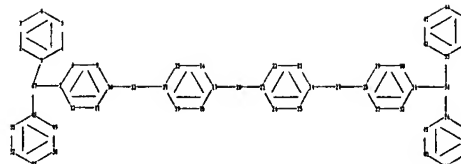
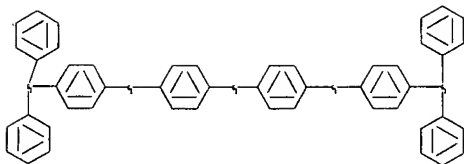
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chain nodes :
13 20 27 34 47
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 14 15 16 17 18 19 21 22 23 24 25
26 28 29 30 31 32 33 35 36 37 38 39 40 41 42 43 44 45 46 48 49
50 51 52 53
chain bonds :
1-47 7-47 10-13 13-14 17-20 20-21 24-27 27-28 31-34 34-35 34-36 47-48
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 14-15 14-19
15-16 16-17 17-18 18-19 21-22 21-26 22-23 23-24 24-25 25-26 28-29 28-33
29-30 30-31 31-32 32-33 35-42 35-46 36-37 36-41 37-38 38-39 39-40 40-41
42-43 43-44 44-45 45-46 48-49 48-53 49-50 50-51 51-52 52-53
exact/norm bonds :
1-47 7-47 10-13 13-14 17-20 20-21 24-27 27-28 31-34 34-35 34-36 47-48
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 14-15 14-19
15-16 16-17 17-18 18-19 21-22 21-26 22-23 23-24 24-25 25-26 28-29 28-33
29-30 30-31 31-32 32-33 35-42 35-46 36-37 36-41 37-38 38-39 39-40 40-41
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G1:S,I

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Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:CLASS 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:CLASS 28:Atom
29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:CLASS 35:Atom 36:Atom 37:Atom
38:Atom 39:Atom 40:Atom 41:Atom 42:Atom 43:Atom 44:Atom 45:Atom 46:Atom
47:CLASS 48:Atom 49:Atom 50:Atom 51:Atom 52:Atom 53:Atom

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=> d l1
L1 HAS NO ANSWERS
L1 STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> s l1
REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
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SAMPLE SEARCH INITIATED 08:24:55 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 30 TO ITERATE

100.0% PROCESSED 30 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 272 TO 928
PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

L3 1 L2

=> d l3

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:376813 CAPLUS
DN 138:385922
TI Hybrid onium salts having iodonium and sulfonium salts in the molecules
for cationic photopolymerization initiators or acid generators for
chemical-amplification-type resists
IN Ishihara, Masami; Maesawa, Tsuneaki; Urano, Yoji
PA Wako Pure Chemical Industries, Ltd., Japan
SO PCT Int. Appl., 108 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003040090	A1	20030515	WO 2002-JP11446	20021101
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	TW 246525	B	20060101	TW 2002-91132235	20021031
	AU 2002344452	A1	20030519	AU 2002-344452	20021101

EP 1443042 A1 20040804 EP 2002-779991 20021101
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK
 CN 1578766 A 20050209 CN 2002-821640 20021101
 US 2005020710 A1 20050127 US 2004-494481 20040503
 US 7101918 B2 20060905
 PRAI JP 2001-340144 A 20011106
 WO 2002-JP11446 W 20021101
 OS MARPAT 138:385922

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FULL ESTIMATED COST	0.36	3.14

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